

## ABSTRACT

A lithium battery of the present invention comprises: a positive electrode formed from a composite electrode composition comprising sulfur or lithium-containing sulfur represented by the formula  $(Li_xS)_n$ , wherein  $0 < x \leq 2$  and n is a natural number, and a metal complex of an organic sulfur compound having a thiol group or thiolate group in the molecule; a negative electrode formed from a lithium-containing composite nitride represented by the general formula  $Li_{3-x}M_xN$ , wherein M represents one transition element selected from the group consisting of Ti, V, Cr, Mn, Fe, Co, Ni and Cu, and x is a real number within a range of  $0.1 \leq x \leq 0.8$ ; and a lithium ion conductive nonaqueous electrolyte.

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